



S/N 09/246,918

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Karl M. Robinson

Examiner: Unknown

Serial No.: 09/246,918

Group Art Unit: 2812

Filed: February 9, 1999

Docket: 303.455US2

Title: DEVICES HAVING IMPROVED CAPACITANCE AND METHODS OF
THEIR FABRICATION

PRELIMINARY AMENDMENT

Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231

RECEIVED

MAR 29 2000

TECHNICAL CENTER 2812

Before taking up the above identified application for examination, please enter the following amendments.

09/246,918

396.00 OF
312.00 OF

IN THE CLAIMS

Please add new claims 54-75.

54. (New) A capacitor formed by a process comprising:
forming a metal capacitor plate on a substrate assembly;
applying a potential across the metal capacitor plate; and
oxidizing at least a portion of the metal capacitor plate to form at least a portion of a dielectric layer.
55. (New) The capacitor of claim 54, wherein the substrate assembly is formed from silicon dioxide.
56. (New) The capacitor of claim 54, wherein the metal capacitor plate is formed from at least one metal selected from the group consisting of titanium, copper, gold, tungsten, and nickel.
57. (New) The capacitor of claim 56, wherein the at least one metal is alloyed with at least one additional metal selected from the group consisting of strontium, barium, and lead.